

recording medium usually indicates "copy freely".

Therefore, in case of reproducing the recording medium by the same recording and reproducing apparatus, the data which is outputted from the digital interface is

5 not protected. However, if the recording medium is reproduced by the digital signal recording and reproducing apparatus 100, since the copy freely signal protection information can be detected, the data which is outputted from the digital interface can be

10 protected as described by using Table 4.

A case where a digital signal recording apparatus according to the second embodiment of the invention is connected to the digital signal output apparatus will now be described with reference to the

15 drawing.

Fig. 6 is a constructional diagram in the case where the digital signal recording apparatus according to the invention is connected to the digital signal output apparatus.

20 A digital signal recording apparatus 700 shown in Fig. 6 is equivalent to an apparatus obtained by omitting the reproducing function from the digital signal recording and reproducing apparatus 100 described in the first embodiment. For example, the  
25 setting method of the recording medium copy control information described by using Tables 1 and 2 is executed upon recording of the digital broadcast signal.

A case where a digital signal reproducing apparatus according to the third embodiment of the invention is connected to the digital signal input apparatus will now be described with reference to the  
5 drawing.

Fig. 7 is a constructional diagram in the case where the digital signal reproducing apparatus according to the invention is connected to the digital signal input apparatus.

10 A digital signal reproducing apparatus 800 shown in Fig. 7 is equivalent to an apparatus obtained by omitting the recording function from the digital signal recording and reproducing apparatus 100 described in the first embodiment. For example, the  
15 setting method of the encrypting mode indicator described by using Tables 3 and 4 is executed upon reproduction of the digital broadcast signal.

As mentioned above, according to the invention, even in case of the copy freely digital  
20 broadcast signal, the digital signal recording and reproducing method and apparatus which can inhibit the illegal use of the signal that is recorded onto the recording medium and the signal which is outputted to the digital interface can be provided.